

University of Rochester
Chemistry-Biology Interface Retreat
Sponsored by: CBI T32 Training Program & Department of Chemistry
June 5-6, 2025
PROGRAM

Thursday June 5 **University of Rochester, Lander Auditorium, 140 Hutchison Hall**

3:00 PM Plenary Lecture: Professor Erin E. Carlson (Smith Professor and Distinguished McKnight University Professor, University of Minnesota, Department of Chemistry), "Tools for the Translation and Control of Bacterial Behavior."

Friday June 6 **Staybridge Suites, 1000 Genesee Street**

9:00 AM Poster set-up, coffee and refreshments

9:25 AM Bradley Nilsson (UR Chemistry)
Welcome and Introduction

9:30 AM Keynote Speaker: Professor Darren Lipomi (Professor of Chemical Engineering, Chair, Department of Chemical Engineering, University of Rochester), "Haptic Biomaterials: Polymers for Bidirectional Communication with Human Physiology"

10:30 AM Career panel discussion
Professor Erin E. Carlson (University of Minnesota, Department of Chemistry), Professor Darren Lipomi (Chair, Department of Chemical Engineering, University of Rochester), Dr. John DiMaio (Senior Associate, Hodgson Russ LLP), Dr. Brittany Abraham (Senior Scientist, Canyon Labs), Dr. Kristina Lantzy-Eaton (University of Rochester)

12:00 PM Lunch- Hot Buffet

12:45 PM Poster Session

1:45 PM Group Picture

2:00 PM Matthew Law, Wedekind Group
"Structure and Function Analysis of a Spermidine-Sensing Bacterial Riboswitch"

2:20 PM Hannah Claus, Partridge Group
"Developing Photoresponsive Artificial Chaperones"

2:40 PM Shannon O'Neil, Paradine Group
"Generation of Polysubstituted Tetrahydrofurans via Urea-Enabled Pd-Catalyzed Olefin Heteroannulation"

3:00-3:10 Break/Buffer

3:10 PM Ethan Luta, Miller Group

Contact: Prof. Bradley Nilsson, bradley.nilsson@rochester.edu

"Enhancing the Sensitivity of Chip-based Raman Spectroscopy via Surface-Initiated Polymerization:
Application to Lactate Sensing"

3:30 PM Hannah Distaffen, Nilsson Group

"Sequence Dependence of Pleated and Rippled Beta-Sheet Assembly"

3:50 PM Concluding Remarks and End of the Retreat